

## GROB I

## Claims:

1. Conveying device for conveying workpieces, for example in a production line, the conveying device comprising at least one driving line divided into several sections and the driving line of each section being able independently from the other sections to convey workpieces, **characterised in that** at least one central drive (1) is provided which drives via a coupling (2) the driving line of the section (3) for a conveying of the workpieces (4).
2. Conveying device according to claim 1, **characterised in that** the driving line of at least a first section is designed essentially identically with the driving line of a second section and/or the driving line connecting the sections is essentially identically with the driving line in the section.
3. Conveying device according to claim 1, **characterised in that** a continuous drive shaft (5) or several driving shafts (5) each driving several sections (3) is, respectively are, provided which drive(s) via a coupling the section (3) for a conveying of the workpieces.
4. Conveying device according to claim 1, **characterised in that** the driving line (10) is designed as roller conveyor (6) which can be driven.
5. Conveying device according to claim 1, **characterised in that** two central drives (1) are provided.

6. Conveying device according to claim 1, **characterised in that** the two central drives (1) are arranged on both sides of the driving line (10).
7. Conveying device according to claim 1, **characterised in that** at least one spur gear (9) is provided, the driving line (10) is designed as roller conveyor (6) which can be driven and the couplings (2) are connected with the roller(s) of the roller conveyors (6) of the respective sections (3) by means of the spur gear (9) in order to derive, respectively transfer, the turning moment.
8. Conveying device according to claim 1, **characterised in that** chain drives (7) are provided in the respective section(s) (3) which transfer the turning moment via toothed wheels (7/2) and chains (7/1) from the coupling(s) (2) to the rollers of the driving line (10) designed as a roller conveyor (6) which can be driven.
9. Conveying device according to claim 1, **characterised in that** the rollers of the driving line (10) designed as a roller conveyor (6) which can be driven are connected to each other in the individual sections (3) by means of chain drives (7) without slip or with little slip.
10. Conveying device according to claim 1, **characterised in that** at least one of the sections (3) is designed in such a way that it can be switched on, respectively off, and/or the sections can be driven independently from each other.
11. Conveying device according to claim 1, **characterised in that** at least one of the rollers of the driving line (10) designed as a roller conveyor (6) which can be driven in the respective section (3) is designed in such a way that it can be switched on, respectively off.

12. Conveying device according to claim 1, **characterised in that** at least one of the couplings (2) is designed in such a way that it can be switched on, respectively off, and/or the couplings (2) are controlled magnetic, electromagnetic, mechanic, pneumatic and/or hydraulic.
13. Conveying device according to claim 1, **characterised in that** a chain drive (7) is provided and the size of the coupling (2) is adapted to the size of the chain drive (7).
14. Conveying device according to claim 1, **characterised in that** lateral coverings (8) of the driving line (10) are provided and the couplings (2) are arranged in the lateral covering(s) (8) of the driving line (10) and/or several couplings (2) are provided within one section (3).
15. Conveying device according to claim 1, **characterised in that** the couplings (2) are formed by a stationary clutch disc (2/1), a clutch disc (2/2) which can move longitudinally in the direction of the drive shaft (5) as well as the coupling housing (2/3).
16. Conveying device according to claim 1, **characterised in that** for the drive of the driving line (10) designed as roller conveyor (6) which can be driven a spur gear (9) is provided comprising a spur wheel (9/1) and a pinion (9/2).
17. Conveying device according to claim 1, **characterised in that** the driving line (10) has two longitudinal frameworks, each framework has a roller conveyor (6) of

the driving line (10) and /or at least one framework carries a roller conveyor (6) which can be driven.

18. Production line with a conveying device according to claim 1.

Patent Attorney